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Stocking Distributor

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[Omron](#)
[EE-SPY415](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

■ **Ratings (Ta = 25°C, Vcc = 12 V±10%)**

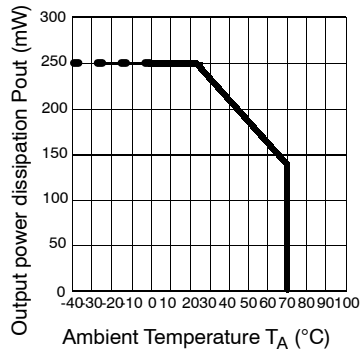
Item		Limits
Detectable distance (See Note.)		11 ± 2 mm (Black paper and OHP paper) 11 ± 8 mm (White paper)
Non-detectable distance (See Note.)		20 mm (Black sponge) 45 mm (White paper)
Usable ambient illumination		3,000 Lx max. at Receiver surface (incandescent lamp, fluorescent lamp)
Vibration	Mechanical durability	10 to 150 Hz, Peak acceleration 10G (100 m/s) 1.5 mm double amplitude for 2 hours each in X, Y, Z directions
Shock	Mechanical durability	300 m/s ² (approximately 30 G) in X, Y, Z directions, respectively 3 times
Resistance to noise (normal mode)	Faulty operation	200 Vp, pulse width: 1 μs
	Break	350 Vp, pulse width: 1 μs
Resistance to noise (common mode)	Faulty operation	250 Vp, pulse width: 1 μs
	Break	500 Vp, pulse width: 1 μs
Terminal strength	Tensile strength	2 kgf (20 N), for 5 seconds
	Flexure strength	1 kgf (10 N) , 1 time, for 5 seconds

Note: If a background object is present, the object should be located at the specified non-detectable distance or further from the receiver surface.

White paper: reflection factor of 90%

Black paper: reflection factor of 16%

■ **Engineering Data**



NOTE: DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters to inches divide by 25.4.

OMRON[®]

OMRON ELECTRONICS LLC
One East Commerce Drive
Schaumburg, IL 60173
847-882-2288

OMRON CANADA, INC.
885 Milner Avenue
Toronto, Ontario M1B 5V8
416-286-6465

OMRON ON-LINE
Global – <http://www.omron.com>
USA – <http://www.omron.com/oei>
Canada – <http://www.omron.com/oci>